

Math 222 – Calculus II (Fall 2016)

- Lecture times and location: TR 9:30 – 10:45AM, B102 Van Vleck
- Textbook: [UW Calculus notes](#)
- Course website: <http://math.wisc.edu/~svs/222/>
- Instructor: Steven Sam steven.sam@wisc.edu; office: 321 Van Vleck
- Instructor and TA office hours: see website

Course description

This is a continuation of Math 221, and you will be expected to know the material from that class (limits, derivatives, integrals, etc.) We will cover essentially all of the UW Calculus notes for Math 222. This includes 6 chapters:

- I. Methods of integration
- II. Proper and improper integrals
- III. First order differential equations
- IV. Taylor's formula
- V. Sequences and series
- VI. Vectors

Important dates

- Sep 6: First lecture
- Oct 13: Midterm 1, in class (covering Chapters I,II)
- Nov 4: Deadline to drop classes
- Nov 17: Midterm 2, in class (covering Chapters III,IV)
- Dec 15: Last lecture
- Dec 21: Final exam, 10:05AM – 12:05PM (cumulative)

Grading

I believe that students should have the opportunity to improve their grades as the class goes on. With that in mind, we will adopt the following weighting:

- Homework: 5%
- Quizzes: 5%
- Midterm 1: 20%
- Midterm 2: 25%
- Final exam: 45%

There will be weekly quizzes in discussion every Wednesday (on the previous week's material) except on weeks of midterms, the first week, and the week of Thanksgiving. This works out to 11 quizzes: the lowest score will be dropped. Homework is also due on Wednesdays and will be graded mostly on completeness with 1 or 2 problems graded for correctness.

If you know ahead of time that you cannot attend one of the exam dates, let me know as soon as possible and provide valid documentation. In case of emergencies, please also provide valid documentation.

Exams

No calculators are allowed for exams. A formula sheet might be provided for the midterms and final, but the exact contents will be decided later. No other notes will be allowed.

Expectations

My role is to teach you the material, and I hope that you enjoy it and learn it well! You are expected to read the textbook, and it will be infinitely more useful for you if you read ahead of the lectures and prepare questions. You are encouraged to work on homework with others, but solutions must be written up individually.

If you have questions about the material, you are encouraged to come to office hours. Also, there is a Piazza page for the course: <http://piazza.com/wisc/fall2016/math222/home>. You are encouraged to discuss the course and its material with one another there. If you have a question about the course, chances are that others have the same question, so it will be beneficial for all to have it posted to Piazza. However, please refrain from posting solutions to homework.

If there are issues that cannot be discussed on Piazza, please email me.

Academic integrity

<http://www.students.wisc.edu/doso/academic-integrity/>

Additional logistics

Students that need special accommodations should talk to me as soon as possible.